CLAIMS

What is claimed is:

1. A method to reconfigure r/c model vehicle battery systems using standard r/c connectors to mate with the standard connectors attached to ESC and motor devices comprised to accept different number of battery cells in serial and parallel wiring configurations.
2. A method based on claim 1 using different standard connectors for the various battery subsystems so that different models can share the same battery subsystems even though each model has different standard connectors.
3. A method based on claim 1 permitting individual cells in a battery subsystem to be discharged and/or recharged through an electrical interface connected to a battery charging system.
4. A method based on claim 1 using an electronic switch located on or inside a battery subsystem to allow individual or groups of battery cells to be discharged and/or recharged based on electronic control signals that emanate from a control system connected to the battery charging system.
5. An apparatus to reconfigure r/c model vehicle battery systems using standard r/c connectors to mate with the standard connectors attached to ESC and motor devices comprised to accept different number of battery cells in serial and parallel wiring configurations.
6. An apparatus of claim 5 which uses different standard connectors for the various battery subsystems so that different models can share the same battery subsystems even though each model has different standard connectors.
7. An apparatus of claim 5 that permits individual cells in a battery subsystem to be discharged and/or recharged through an electrical interface connected to a battery charging system.
8. An apparatus of claim 5 that uses an electronic switch located on or inside a battery subsystem to allow individual or groups of battery cells to be discharged

and/or recharged based on electronic control signals that emanate from a control system connected to the battery charging system.